

Configuring Outgoing SPID Hunt on Cisco 800 Series Routers

This document describes how to set up the router to look for a free service profile identifier (SPID) to use for outgoing voice calls. It includes information on the benefits of the feature, the supported platforms and MIBS, configuration examples and the correct syntax.

The following sections are included:

Feature Overview

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Feature Overview

The Cisco 800 series routers connect small professional offices over Integrated Services Digital (ISDN) Basic Rate Interface (BRI) lines to corporate networks and to the Internet. The routers provide bridging and multiprotocol routing capability between LAN and WAN ports. Cisco IOS Release 12.0(4)T provides software support for the Cisco 800 series routers.

Configuring outgoing SPID hunt allows the router to seek a free service profile identifier (SPID) to use for outgoing voice calls. If no calls are in process, the SPID associated with the dial-peer destination is used. If a call is already in process, the router seeks a free SPID for the voice call, without bumping the data call. The default for this feature is off.

Benefits

Setting this command allows a voice call to be made at the same time as a data call. If there is already a data call, it is not bumped. The router seeks another free SPID for the voice call. If this feature is not enabled, the voice call fails if the switch is DMS-100 or DMS NI1 but succeeds if it is 5ESS custom or 5ESS NI1. If you have one data call on the router and you get a busy tone when you try to make a voice call, use this feature.

Note This feature must be enabled in order to use the voice features of the Cisco 800 series routers.

Restrictions

This section describes the restrictions or limitations that apply to the outgoing SPID hunt feature. The restrictions include the following:

- The outgoing SPID hunt command applies to U.S. switch types only.
- If you use the Calling Party Number feature, the calling party number associated with the call you make may change depending on the SPID chosen for the voice call.
- If you always dedicate one channel to data and find that you need Incoming Voice Call feature to make a voice call, then it is recommended that you dedicate SPID2 for voice and SPID1 for data.

Supported Platforms

Cisco IOS Release 12.0(4)T is supported on these platforms:

- Cisco 801 router
- Cisco 802 router
- Cisco 803 router
- Cisco 804 router

Supported Standards, MIBs, and RFCs

None

Configuration Tasks

This section describes setting up the outgoing SPID hunt feature in the Cisco 800 series routers.

- Setting up the automatic search of a free SPID to use for outgoing voice calls
- Verifying that the outgoing SPID hunt is enabled

Setting up Automatic Search of a Free SPID to Use For Outgoing Voice Calls

The following tasks describe the configuration steps for setting up outgoing SPID hunt.

This task applies to U.S. switching only.

Step	Task	Command
Step 1	Enter configuration mode.	configure terminal
Step 2	Disable or enable the automatic search of a free SPID when a voice call is made.	[no] POTS outgoing-hunt

Verifying that Outgoing SPID Hunt is Enabled

Use the following conditions to verify a successful configuration:

- Your router is connected to a DMS-100 or DMS NI1 switch.
- You have one data call on the router.
- You make a voice call but the POTS port used for the voice call is associated with the same SPID as the existing data call.
- If the feature is not used then you'll get a busy tone. If the feature is enabled then the voice call will go through.

Configuration Examples

None

Command Reference

This section documents new and modified commands associated with the outgoing SPID hunt feature.

no POTS outgoing-hunt

To disable the router from looking for a free SPID to use for outgoing voice calls, use the [no] POTS outgoing-hunt EXEC command.

no POTS outgoing-hunt

Syntax Description

This command has no arguments or keywords.

Default

The automatic search of a free SPID for outgoing calls is disabled.

Command Mode

EXEC

Usage Guidelines

This command applies to U.S. switch types only.

Example

The following example disables the router from seeking a free SPID for outgoing voice calls.

```
router (config-if)# no POTS outgoing-hunt
```

POTS outgoing-hunt

Related Commands

POTS outgoing-hunt

POTS outgoing-hunt

To enable the router seeking a free SPID to use for outgoing voice calls, use the POTS outgoing-hunt EXEC command.

POTS outgoing-hunt

Syntax Description

This command has no arguments or keywords.

Default

The automatic detection of POTS SPIDs is enabled.

Command Mode

EXEC

Usage Guideline

This command applies to U.S. switch types only.

Example

The following example allows the router to seek a free SPID for outgoing voice calls.

```
router (config-if)# POTS outgoing-hunt
```

Related Commands

- no POTS outgoing-hunt
- Calling Party Number

When this feature is used, the calling party number associated with the call you make may change depending on the SPID chosen for the voice call.

- Incoming Voice Call

If you always dedicate one channel to data and find that you need this feature to make a voice call, then it is recommended that you dedicate SPID2 for voice and SPID1 for data.